



WEEK ENDING NOVEMBER 22, 2013

# OPP Weekly Activity Report

## Highlights Include:

### Page

- 2 *"Tick-Borne Disease and Integrated Pest Management: US Environmental Protection Agency Perspective and Federal Collaboration"*
- 2 *EPA's Center of Expertise for School IPM Swarms Entomological Society of America's Foundation Insect Rodeo*
- 2 *EPA School IPM Symposia Held at Entomological Society of America Annual Meeting*
- 2 *EPA, California DPR, & Canada's Pest Management Regulatory Authority discuss imidacloprid pollinator field studies with Bayer CropScience*
- 3 *PRD Meets with Glyphosate Joint Glyphosate Task Force to Discuss the Registration Review of Glyphosate*
- 4 *Florida Department of Agriculture and Consumer Services' annual meeting with agricultural/grower organizations, farmworker advocacy groups, and other state and local government agencies interested in farmworker issues*
- 4 *Participation in National PSEP Improvement and Modernization Initiative*
- 5 *Microbiology Laboratory Branch Presents a Proposal to APHIS on Important Virus Research*
- 5 *Updated C. difficile Sporulation Method Submitted to ASTM for Balloting*
- 6 *Bayer Presentation on Herbicide Resistance: "Respect the Rotation"*
- 7 *Meeting with NCEA on Exposure Factors Handbook*
- 8 *U.S. Delegation to the Codex Committee on Pesticide Residues*
- 8 *Tolerances Established for Fenpropathrin and Tebuconazole*

## BIOPESTICIDES & POLLUTION PREVENTION DIVISION

**BPPD, Environmental Stewardship Branch Presented “Tick-Borne Disease and Integrated Pest Management: US Environmental Protection Agency Perspective and Federal Collaboration”** On November 16, BPPD’s Environmental Stewardship Branch (ESB) attended the annual American Society of Tropical Medicine meeting in Washington, D.C. ESB gave a presentation titled “Tick-Borne Disease and Integrated Pest Management: US Environmental Protection Agency Perspective and Federal Collaboration”. The conference was well attended by researchers supporting risk reduction from tick-borne diseases. Discussions were held with academia, federal agencies, Medical Centers, and international programs on controlling tick populations to prevent tick-borne diseases. Follow-up with interested parties is underway. (Candy Brassard, 305-6598)

**EPA’s Center of Expertise for School IPM Swarms Entomological Society of America’s Foundation Insect Rodeo.** On Saturday, November 9 in Austin, Texas, hundreds of teachers, parents and kids attended the Austin Insect Rodeo held at the Bullock Texas State History Museum. The Rodeo featured teacher workshops along with an Insect Petting Zoo, Maggot Art, Bugs as Food, Termite Racing, Bee Dancing and other games with prizes. EPA’s Center of Expertise for School IPM was on location to meet and greet with teachers and parents and educate them about healthy schools and IPM; brochures and fact sheets on healthy schools were made available to participants. Over 1300 attended the free outreach educational event. (Sherry Glick, 214-665-6713)

**EPA School IPM Symposia Held at Entomological Society of America (ESA) Annual Meeting.** On November 12 in Austin, Texas, EPA held a School IPM symposia titled “Healthy Schools: Research, Benefits and Impacts in the Classroom” as part of ESA’s annual meeting. Several speakers from universities, IPM centers, city and state governments, school districts and NGOs were all part of the symposia. Presentation topics included national and regional perspectives on IPM, innovations in IPM, and metrics for success in IPM implementation. The symposia was well attended and several collaborative partnerships were made throughout the day with IPM stakeholders/partners. (Sherry Glick, 214-665-6713)

## PESTICIDE RE-EVALUATION DIVISION

**EPA, California Department of Pesticide Regulation (CDPR), Canada’s Pest Management Regulatory Authority (PMRA) discuss imidacloprid pollinator field studies with Bayer CropScience (Bayer).** On Monday November 18, 2013, EPA, joined by CDPR and PMRA via conference call, met with representatives from Bayer to discuss preliminary results from the ongoing honey bee field feeding study, and protocol development for further pollinator studies. Imidacloprid is a

systemic neonicotinoid insecticide that began the registration review process in 2009 and is also being re-evaluated by CDPR and PMRA. (Rusty Wasem 305-6979)

**PRD Meets with Glyphosate Joint Glyphosate Task Force to Discuss the Registration Review of Glyphosate.**

On November 18, 2013, at the request of the Joint Glyphosate Task Force (JGTF), representatives from the JGTF met with representatives from PRD to discuss the status of the on-going registration review of glyphosate. The JGTF provided an update on their continuing efforts to tabulate use patterns for glyphosate products and a proposed submission for additional data matrices. The parties also discussed weed resistance and the opportunity to add consistent resistance management language to all registered products during registration review. Glyphosate is a non-selective, systemic herbicide that controls weeds in agricultural crops and non-agricultural sites. More information on the registration review of glyphosate can be found in docket EPA-HQ-OPP-2009-0361 at [www.regulations.gov](http://www.regulations.gov). (Carissa Cyran, 703-347-8781)

## ENVIRONMENTAL FATE & EFFECTS DIVISION

**North American Groundwater Modeling Webinar.** On November 20, EFED and other OPP division staff hosted a webinar with representatives from the United States Geological Survey (USGS) and the Pest Management Regulatory Agency (PMRA) to discuss on-going work for estimating pesticide concentrations in groundwater using computer simulation models. During the webinar, PMRA and EPA/OPP presented an overview of the model development, evaluation, and implementation of PRZM-GW as a NAFTA supported project for use in drinking water assessments. USGS representatives presented updates on the P-GWAVA model, a process-based groundwater vulnerability assessment tool developed by the USGS. This webinar was hosted as part of an on-going collaboration with USGS and PMRA to share parallel groundwater modeling efforts and to identify future areas of collaboration. (Reuben Baris, 703-305-7356).

**Presentation of Ecological Risk Assessment Models.** Kris Garber (EFED) gave a presentation on the models that EFED uses to estimate exposure and risk to terrestrial and aquatic organisms at the SETAC North America 34<sup>th</sup> Annual Meeting,. In her presentation, Kris described the purpose, taxa involved, results, and platform for each individual EFED model. She also highlighted some of the similarities among EFED's terrestrial models, which use available toxicity data for mammals or birds and are exposure driven by application and simple fate parameters. An important aspect of EFED's models is that they are tiered and can be refined by varying input parameters or by deriving more probabilistic measures of exposure. Additional information on EFED's models can be found at: [http://www.epa.gov/pesticides/science/models\\_pg.htm](http://www.epa.gov/pesticides/science/models_pg.htm). (Kris Garber, 347-8940).

## ANTIMICROBIALS DIVISION

**Antimicrobials Division (AD) Gives Internal Training.** On November 21, 2013, AD provided training to its own risk assessors and risk managers as well as to representatives of HED and OGC regarding antimicrobial-tailored residue chemistry data requirements (40 CFR 158W), dietary exposure assessment, tolerances, dietary and aggregate risk assessment, and EPA/FDA jurisdictional and labeling issues. The training was presented by William Hazel, Melba Morrow, and Michael Mendelsohn. This training will be modified somewhat for presentation to external stakeholders. Training sessions on other dietary related topics are to follow in the near future. (William Hazel, 703-305-7677)

## FIELD & EXTERNAL AFFAIRS DIVISION

**FEAD Attends FDACS' Annual Meeting with Agricultural and Farmworker Groups.**

On November 19, 2013, staff from FEAD's Certification & Worker Protection Branch (CWPB) attended the Florida Department of Agriculture and Consumer Services' (FDACS) annual meeting with agricultural/grower organizations, farmworker advocacy groups, and other state and local government agencies interested in farmworker issues. The meeting was held in Lake Alfred, Florida at the University of Florida's Institute of Food and Agricultural Sciences' (UF/IFAS) Citrus Research and Evaluation Center and was well attended by several state grower and farmworker advocacy groups. Other meeting attendees included FDACS management and staff and representatives from the Mexican consulate, U.S. Equal Employment Opportunity Commission, EPA Region 4, Florida Department of Health, Florida Department of Education, Florida Department of Business and Professional Regulation and UF/IFAS. CWPB staff provided information about the status of EPA's Worker Protection Standard (WPS) rule revisions and updates on other worker safety program activities. Participants were very interested in the status of the WPS rule revisions and the expressed interest in receiving more information about the proposals once EPA is closer to publication of the proposed rule. The annual meeting is part of an ongoing FDACS initiative to identify issues of concern affecting farmworkers and/or agencies and organizations that work with farmworkers, and to develop strategies for addressing the issues and concerns. The main goal of the initiative is to foster better working relationships between FDACS, growers, and farmworker organizations, and raise awareness of WPS requirements to improve WPS compliance and reduce pesticide exposure among farmworkers. (Richard Pont, 305-6448)

**FEAD Continues Participation in National PSEP Improvement and Modernization Initiative.**

The Certification and Worker Protection Branch (CWPB) staff continued its participation on the National Pesticide Safety Education Program Improvement and Modernization Initiative (PSEP-IMI) Board in support of the PSEP IMI activities.

The PSEP IMI project is an outgrowth of the National Stakeholder Team for Pesticide Safety Education Program Funding and is a three-year initiative designed to enhance stability and sustainability of the PSEP program and improve the education of pesticide applicators. Funds for the PSEP IMI project were donated by registrants, and Board participants were asked to commit 4-8 hours per week on the effort. The role of the PSEP IMI Board has been to develop the overall goals for the project and a process for distributing the PSEP IM funds. The PSEP IMI Board has developed the process for funds distribution, and has also developed and issued a request for proposals (RFP) that was issued and distributed to PSEP Coordinators September 30, 2013. The deadline for grant submissions was November 15, 2013. The PSEP IMI Board received 33 grant proposals from the state PSEP program and is now working through the process of evaluating the proposals. EPA's role on the PSEP IMI Board is strictly advisory to provide technical support for the group, assist with document development, and provide input on issues concerning EPA's applicator certification program. EPA is not a voting member on Board decisions. The PSEP IMI Board has met every week since August and will continue to meet every week by conference call through March when the PSEP IMI funds will be distributed. (Richard Pont, 305-6448)

## BIOLOGICAL & ECONOMIC ANALYSIS DIVISION

**Microbiology Laboratory Branch (MLB) Presents a Proposal to APHIS on Important Virus Research.** USDA's Animal and Plant Health Inspection Service (APHIS) has an urgent need for disinfectant product efficacy data for treating porous surfaces contaminated with high consequence foreign animal diseases (e.g., foot and mouth disease and avian influenza), and recently contacted MLB requesting technical and laboratory support. To expedite the potential collaborative effort, MLB developed a research proposal and presented the details to lead officials from APHIS and the Department of Homeland Security (DHS). DHS has funding to support the project. The proposal outlined the anticipated roles and responsibilities from each organization, objectives/goals, and projected tasks. DHS has an Interagency Agreement (IA) with APHIS to fund the research; however, the DHS official indicated that another IA could be developed with EPA to off-set the costs incurred by MLB. Additional meetings are planned before the end of the calendar year to establish a Statement of Work (SOW), including funding and timeline proposals, and to discuss the technical justification for use of "safe-to-handle" surrogate viruses. EPA has the lead on developing the SOW and funding proposal. (Stephen Tomasino, 410-305-2976)

**Updated *C. difficile* Sporulation Method Submitted to ASTM for Balloting.** In an effort to update the existing ASTM standard method originally developed by BEAD, new information from collaborative study and storage study had been added to ASTM methods: ASTM E2839-11 (Standard Test Method for Production of *Clostridium difficile* spores for Use in Efficacy evaluation of Antimicrobial Agents)

and submitted to ASTM Subcommittee E35.15 (Antimicrobial Agents) for balloting to be scheduled for Dec 2, 2013. More specifically, a precision and bias statement based on a seven-lab collaborative data for producing *C. difficile* spores was added to ASTM E2839-11, along with the long term storage condition for *C. difficile* spores. (Jafrul Hasan, 410-305-2657)

**Analytical Chemistry Branch (ACB) Chemists Provide Teaching Assistance to IFSTL Course**


ACB chemists Alaa Kamel, Lynda Podhorniak, and Yaorong Qian were invited to give presentations on several subjects for the training class entitled: "Methods of Determination of Pesticide Residue Analysis and Introduction to Laboratory Accreditation According to ISO 17025" offered by the International Food Safety Training Laboratory (IFSTL) during the period from November 13-22, 2013. The training classes were attended by chemists who are working in the areas of food safety, testing, and inspections in several countries, including China, Ethiopia, Korea, Saudi Arabia, and India. Alaa gave a presentation on "Method Development and Single Laboratory Validation", Lynda gave a presentation on "EPA's Process Leading to Tolerances", and Yaorong covered the subjects of Sample Preparation and Analysis, Quality Assurance and Quality Control for Pesticide Analysis. The IFSTL, located in College Park, MD, is a joint venture between the Institute for Food Safety and Applied Nutrition (JIFSAN), whose goal is to provide the scientific basis for ensuring a safe, wholesome national and international food supply, of Food and Drug Administration (FDA) and the University of Maryland. (Yaorong Qian, 410-305-2636; Alaa Kamel; Lynda Podhorniak)

**Bayer Presentation on Herbicide Resistance Management** On Nov 21 Bayer CropScience presented "Respect the Rotation," an initiative to elevate the importance of and grower adoption of herbicide diversity. The presentation focused on the importance of rotating crops, rotating herbicide modes of action, and rotating herbicide-tolerant traits. Representatives of BEAD, BPPD, EFED, PRD, and RD attended the presentation. Topics raised during the talk concerned incentives to growers to adopt resistance management practices, mode of action labeling, and the challenges of encouraging growers to adopt resistance management practices which may not be in their immediate economic interest. (Bill Chism, 308-8136; Skee Jones, 305-7416)

## INFORMATION TECHNOLOGY & RESOURCES MANAGEMENT DIVISION

**CSIB Conducts a Test Webinar With the PPDC Members:** In preparation for the December 5-6 PPDC virtual webinar only Public Meeting, CSIB hosted a test webinar with OPP Senior management and PPDC members. This test was designed to get participants used to the idea of a virtual meeting and its associated etiquette. Several Senior managers including the Office Direct Dr. Steve Bradbury were present and lead the test. The meeting was attended by 17

PPDC members or their surrogates. The test was deemed successful by Dr. Bradbury and the meeting will proceed as scheduled. CSIB provides collaboration support services to OPP, including webinar support, Portal project management tools and video conferencing support. If you have a need for any of the aforementioned services, please email [collaborationsupport@epa.gov](mailto:collaborationsupport@epa.gov) and a member of the staff will contact you. (Hamaad Syed, 305-0502; Troy Stewart, 308-2738)

 <b>OPP FOIA Request Status Report – Nov 11- 15, 2013</b>							
<b>Requests Received</b>		<b>Requests Closed</b>			<b>Requests Open</b>		
<b>FY14</b>	<b>This Week</b>	<b>FY14</b>	<b>FYTD</b>	<b>This Week</b>	<b>FY14</b>	<b>Prior Years</b>	<b>Total</b>
57	8	8	21	5	49	304	353

(Ana Espinoza, 703-347-0102)

## HEALTH EFFECTS DIVISION

**HED meets with NCEA on Exposure Factors Handbook:** CEB staff met with staff from the National Center for Environmental Assessment (NCEA) to discuss the status of EFH (exposure factors handbook), Expo-Tool Box, the JIFSAN (Joint Institute for Food Safety and Applied Nutrition) website, and status and next steps for HED's incorporation of WWEIA 2009-2010 consumption data into DEEM. Also discussed were ideas for the dietary consumption data in the next version of the EFH and the possibility of using a "just -in-time" method to generate user-customized tables of consumption information. (See <http://www.epa.gov/risk/expobox/>) (David Hrdy, 305-6990)

**Joint meeting DAWG & REWG with speakers from EPA and USDA:** The regular DAWG/REWG (Dietary Assessment Work Group and Residue Expert Work Group) at CLA (Crop Life America) invited HED to provide updates on models and data. David Miller, Steve Nako, David Hrdy, and Matthew Crowley attended the meeting along with Diana Haynes of PDP. Diana presented an update of PDP activities and changes. Bernard Schneider provided an update and overview of activities in crop grouping within OPP and CEB staff gave an update of exposure model development and consumption data available. Also covered were plans for next steps in CLA's update to the CARES model which will be done by CRÈME Global, an Ireland-based company with expertise in exposure assessment and

software. (see <http://www.cremeglobal.com/products/food/>) (David Hrdy, 305-6990)

## REGISTRATION DIVISION

**U.S. Delegation to the Codex Committee on Pesticide Residues (CCPR)** On November 19, 2013, the U.S. Delegation to the Codex Committee on Pesticide Residues, chaired by Lois Rossi (RD Director), met to discuss updates and further prepare for the next session of CCPR. Representatives from EPA, Interregional Research Project Number 4 (IR-4) and USDA, as well as chemical registrants and commodity groups, were in attendance. The primary focus of this meeting was to discuss additional compound nominations received by the U.S. Delegation, and to discuss potential concern forms. In addition, the Delegation discussed overarching issues and concerns, as well as updates from various electronic working groups (EWGs). Pat Basu (USDA) provided updates to the Working Group on 'Methods of Analysis', Bill Barney (IR-4) provided information about the Codex crop grouping efforts, and Mike Doherty (HED) discussed information and issues arising from the 2013 Joint FAO/WHO Meeting on Pesticide Residues (JMPR). The next U.S. Delegation meeting will take place around late January, 2014 to continue preparations for the 46<sup>th</sup> session of CCPR that will be held May 5-10, 2014 in China. (Laura Nollen, 703/305-7390)

**Tolerances Established for Fenpropathrin** On November 20, 2013, the *Federal Register* published a final rule which established tolerances for residues of fenpropathrin in or on barley, grain; barley, hay; barley, straw; berry, lowgrowing, subgroup 13-07G; bushberry subgroup 13-07B; fruit, citrus, group 10-10; fruit, pome, group 11-10; fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; and vegetable, fruiting, group 8-10. This final rule additionally removes the following established tolerances because they were superseded: fruit, citrus, group 10; fruit, pome, group 11; bushberry subgroup 13B; grape; junberry; salal; lingonberry, strawberry; and vegetable, fruiting, group 8. Interregional Research Project Number 4 (IR-4), on behalf of Valent USA Corporation, requested the tolerances associated with this action. (Keri Grinstead, 703/308-8373)

**New Tolerances Established for Tebuconazole** On November 15, 2013 the *Federal Register* published a final rule establishing permanent tolerances for residues of tebuconazole in or on the fruiting vegetable group 8-10 and also amended the existing tolerances for barley grain and the cucurbit vegetable group 9. Tebuconazole is a triazole fungicide currently registered for disease control on a variety of fruit and field crops. The triazoles act by inhibiting C14-demethylase, an enzyme which plays a role in sterol production in fungi. Interregional Research Project Number 4 (IR-4) requested these tolerances under the Federal Food, Drug, and Cosmetic Act (FFDCA). (Andrew Ertman, 703/308-9367)

**Entomological Society of America Annual Meeting** On November 10-13, 2013, representatives from the Office of Pesticide Programs' Registration Division attended the Entomological Society of America annual meeting in Austin, Texas. They participated in and presented at three different platform symposium sessions: the history of the Interregional Research Project Number 4 (IR-4) process in a regulatory decision; moving beyond the LC50: an overview of the conceptual framework for Adverse Outcome Pathways as a tool for risk assessment, and an overview of the risk assessment framework for assessing the effects of pesticide use on non-target insects (a product of the 2012 FIFRA Scientific Advisory Panel (SAP). A diversity of topics were discussed--ranging from pesticide effects on honeybees, structural fumigants, pesticide risk assessment, genetic diversity, and alternatives to traditional pest control measures in a variety of use settings. (Jennifer Urbanski, 703/347-0156; Meredith Laws, 703/308-7038; Reuben Baris, 703/305-7356)

Registration Actions Completed Under the Pesticide Registration Improvement Act (PRIA)					
Chemical	Company	Registration Number	Action Code*	Due Date	Response Date
<b>The Fungicide Branch granted:</b>					
Tebuconazole	Bayer CropScience LP	264-748 264-752	R170	10/31/2013	11/19/2013
<b>Heather Garvie, 703/308-0034</b>					
Penthiopyrad	Mitsui Chemicals Agro, Inc.	86203-2 86203-26	R273	10/17/2013	11/15/2013
<b>Rosemary Kearns, 703/305-5611</b>					
Boscalid	BASF Corporation	7969-353	R320	11/26/2013	11/20/2013
<b>Dominic Schuler, 703/347-0260</b>					
<b>The Herbicide Branch granted:</b>					
2,4-D,2-ethylhexyl ester	PBI/Gordon Corporation	2217-985 2217-986	R310	12/3/2013 12/9/2013	11/18/2013 11/21/2013
Glufosinate	Willowood, LLC	87290-41	R300	11/18/2013	11/18/2013
	Bayer CropScience	264-660 264-829	R350	11/27/2013 11/1/2013	11/20/2013
MCPA, 2-ethylhexyl ester	PBI/Gordon Corporation	2217-984	R310	11/18/2013	11/18/2013
<b>Bethany Benbow, 703/347-8072</b>					
Acetochlor	United Suppliers, Inc.	33270-24 33270-25	R300	12/19/2013	11/21/2013
<b>Emily Hartman, 703/347-0189</b>					
Clomazone	Willowood, LLC	87290-47	R300	3/10/2014	11/21/2013
Glyphosate isopropylammonium	Bayer Environmental	432-1532	R300	3/10/2014	11/18/2013
<b>Erik Kraft, 703/308-9358</b>					
Metolachlor	Liberty Crop Protection, LLC	89168-28	R301	10/24/2013	11/21/2013
Penoxsulam	PBI/Gordon Corporation	2217-988	R300	11/15/2013	11/21/2013
<b>Grant Rowland, 703/347-0254</b>					

Glyphosate	Tenkoz Inc.	55467-15	R300	2/3/2014	11/20/2013
Maggie Rudick, 703/347-0257					
Fomesafen	Syngenta Crop Protection, LLC	100-1017	R190 R170	10/23/2013 7/8/2014	11/20/2013 11/20/2013
Sodium salt of fomesafen		100-1103 100-993	R190	10/23/2013	11/20/2013
Michael Walsh, 703/308-2972					
The Insecticide Branch granted:					
Fipronil	Tru Prodigy	88966-1 88966-2	R340	12/12/2013	11/19/2013 11/21/2013
Carmen Rodia, 703/306-0327					
Ethofenprox	Wellmark International	2724-791 2714-807	R200	11/7/2013	11/18/2013
Kevin Sweeney, 703/305-5063					
The Insecticide-Rodenticide Branch granted:					
Dinotefuran	Wellmark International	2724-812	R340	11/8/2013	11/21/2013
Rita Kumar, 703/308-8291					
<p><b>R170</b> – Additional food use; reduced risk; <b>R190</b> – Additional food uses; 6 or more submitted in one application.(2) (3); <b>R200</b> – Additional food use; 6 or more submitted in one application; Reduced Risk.(3) (4); <b>R273</b> – Additional use; seed treatment; limited uptake into raw agricultural commodities; includes crops with established tolerances (e.g., for soil or foliar application); includes food and/or non-food uses.(3) (4); <b>R300</b> – New product; identical or substantially similar in composition and use to a registered product; no data review or only product chemistry data; cite-all data citation or selective data citation where applicant owns all required data or submits specific authorization letter from data owner; category also includes 100% repackage of registered end-use or manufacturing-use product that requires no data submission or data matrix.(2) (3) ; <b>R301</b> – New product identical or substantially similar in composition and use to a registered product; registered source of active ingredient; selective data citation only for data on product chemistry and/or acute toxicity and/or public health pest efficacy, where applicant does not own all required data and does not have a specific authorization letter from data owner; <b>R310</b> – New end-use or manufacturing-use product with registered source(s) of active ingredient(s); includes products containing two or more registered active ingredients previously combined in other registered products; requires review of data package within RD only; includes data and/or waivers of data for only: product chemistry and/or acute toxicity and/or public health pest efficacy and/or child resistant packaging. (2) (3); <b>R320</b> – New product; new physical form; requires data review in science divisions.(2) (3);</p> <p><b>R340</b> – Amendment requiring data review within RD (e.g., changes to precautionary label statements).(2) (3); and</p> <p><b>R350</b> – Amendment requiring data review in science divisions (e.g., changes to REI, or PPE, or PHI, or use rate, or number of applications; or add aerial application; or modify GW/SW advisory statement)(2).</p>					